PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-18. (Canceled).

19. (New). A performance data management method for managing performance data of a computer system which includes an information processing device and at least one storage system, each of which includes a controller and a storage area, the method executed by the controller comprising:

inputting, from the information processing device, data acquisition levels each of which defines items of performance data according to each of the data acquisition levels;

detecting an amount of free space of the storage area;

calculating an amount of performance data according to each of the data acquisition levels;

acquiring performance data from the computer system;

selecting a data acquisition level according to the detected amount of free space by comparing the calculated amount of performance data of each of the data acquisition levels with the amount of free space when an amount of the acquired performance data is more than the detected amount of free space; and

selecting, from the acquired performance data, performance data of data items corresponding to the selected data acquisition level to store the selected performance data to the storage area.

20. (New). The performance data management method according to claim 19, further comprising, if the amount of the acquired performance data is more than the detected amount of free space, increasing an interval for storing the performance data to the storage area.

21.   (New).   The performance data management method according to claim 19, further comprising, if the amount of the acquired performance data is more than the detected amount of free space:

deleting old data of the performance data from the storage area to make new free space in the storage area; and

storing new data of the performance data in the new free space.

22.   (New).   The performance data management method according to claim 19, further comprising, if the amount of the acquired performance data is more than the detected amount of free space:

generating performance summary data by extracting one or more portions of the performance data; and

storing the generated performance summary data to the storage area.

23.   (New).   A controller in a storage system including a storage area, coupled to an information processing device, comprising:

an inputting means for inputting, from the information processing device, data acquisition levels each of which defines items of performance data according to each of the data acquisition levels;

a detecting means for detecting an amount of free space of the storage area;

a first calculating means for calculating an amount of performance data according to each of the data acquisition levels;

an acquiring means for acquiring performance data from the computer system;

a second calculating means for selecting a data acquisition level according to the detected amount of free space by comparing the calculated amount of performance data of each of the data acquisition levels with the amount of free space when an amount of the acquired performance data is more than the detected amount of free space; and

a selecting means for selecting, from the acquired performance data, performance data of data items corresponding to the selected data acquisition level to store the selected performance data to the storage area.

24.   (New).   The controller according to claim 23, further comprising a means for, if the amount of the acquired performance data is more than the detected amount of free space, increasing an interval for storing the performance data to the storage area.

25.   (New).   The controller according to claim 23, further comprising a means for, if amount of the acquired performance data is more than the detected amount of free space:

deleting old data of the performance data from the storage area to make new free space in the storage area; and

storing new data of the performance data in the new free space.

26.   (New).   The controller according to claim 23, further comprising a means for, if the amount of the acquired performance data is more than the detected amount of free space:

generating performance summary data by extracting one or more portions of the performance data; and

storing the generated performance summary data to the storage area.

27.   (New).   A computer program product stored on a computer readable medium for providing a performance data management method for managing performance data of a computer system which includes an information processing device and at least one storage system, each of which includes a controller and a storage area, the method executed by the controller comprising:

code for inputting, from the information processing device, data acquisition levels each of which defines items of performance data according to each of the data acquisition levels;

code for detecting an amount of free space of the storage area;

code for calculating an amount of performance data according to each of the data acquisition levels;

code for acquiring performance data from the computer system;

code for selecting a data acquisition level according to the detected amount of free space by comparing the calculated amount of performance data of each of the data acquisition levels with the amount of free space when an amount of the acquired performance data is more than the detected amount of free space; and

code for selecting, from the acquired performance data, performance data of data items corresponding to the selected data acquisition level to store the selected performance data to the storage area.